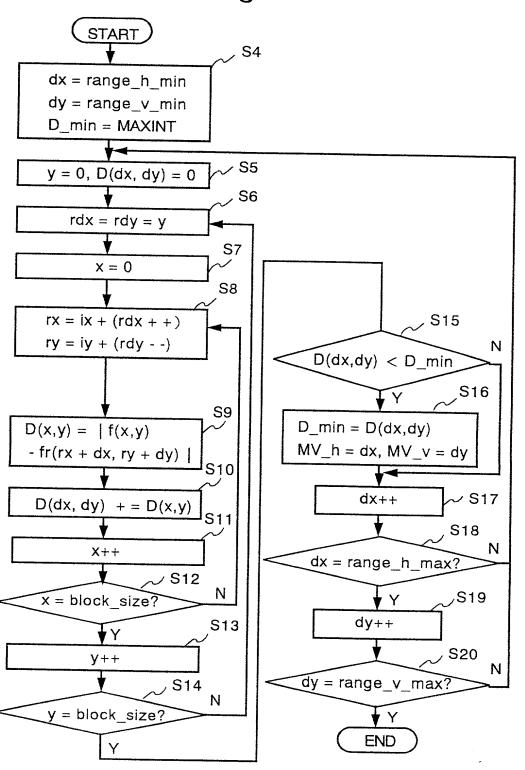
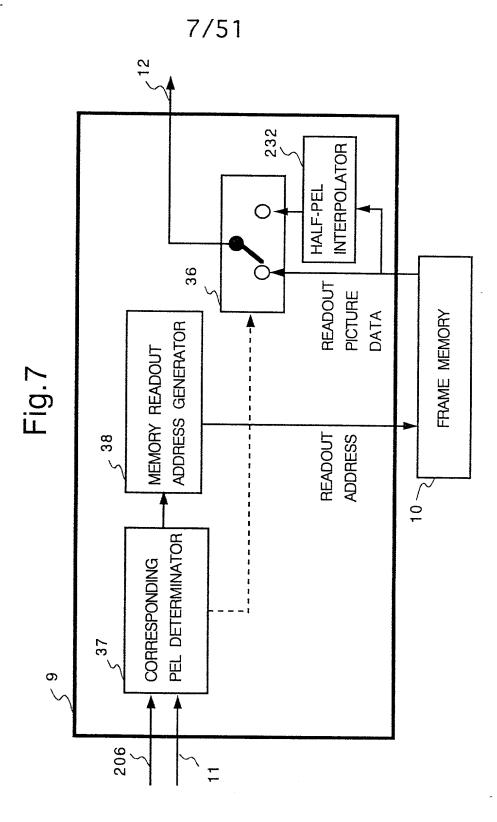


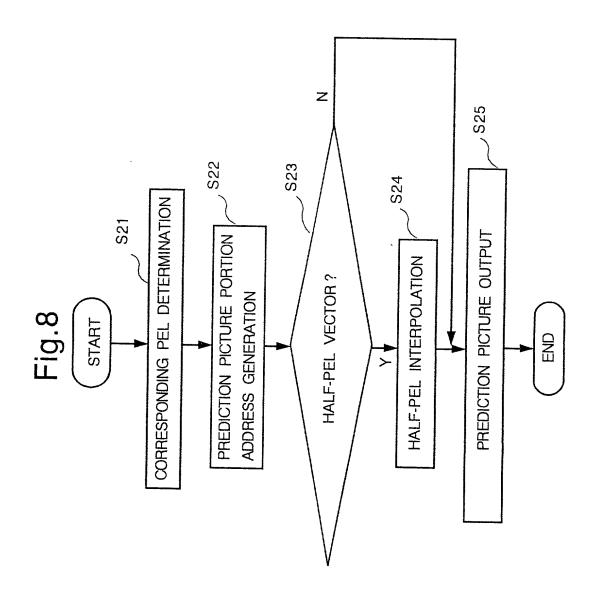
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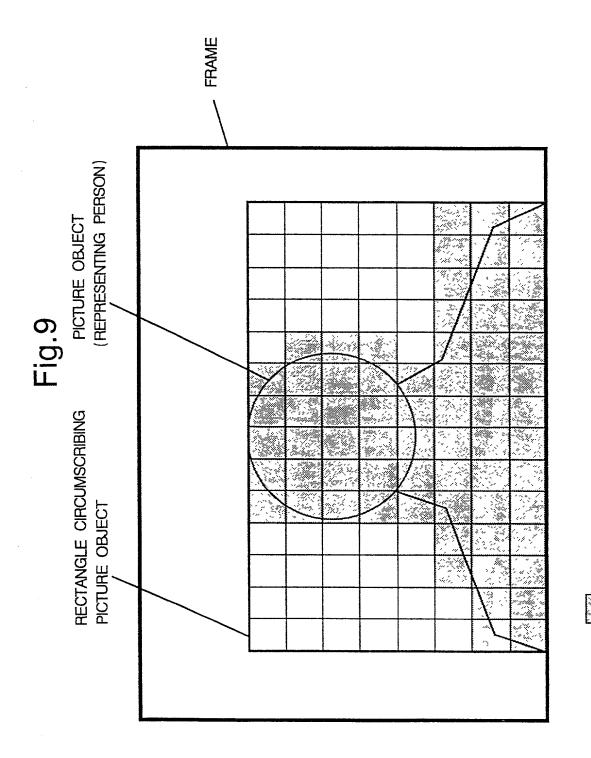
Fig.6



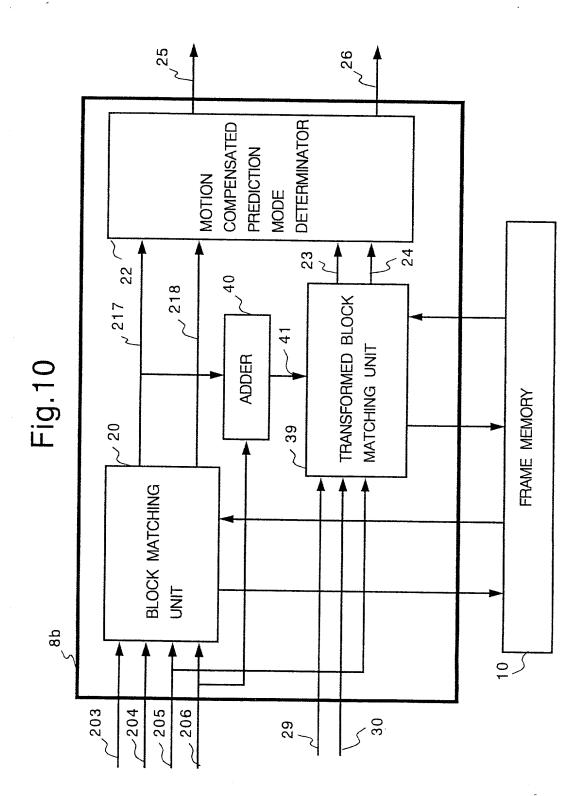






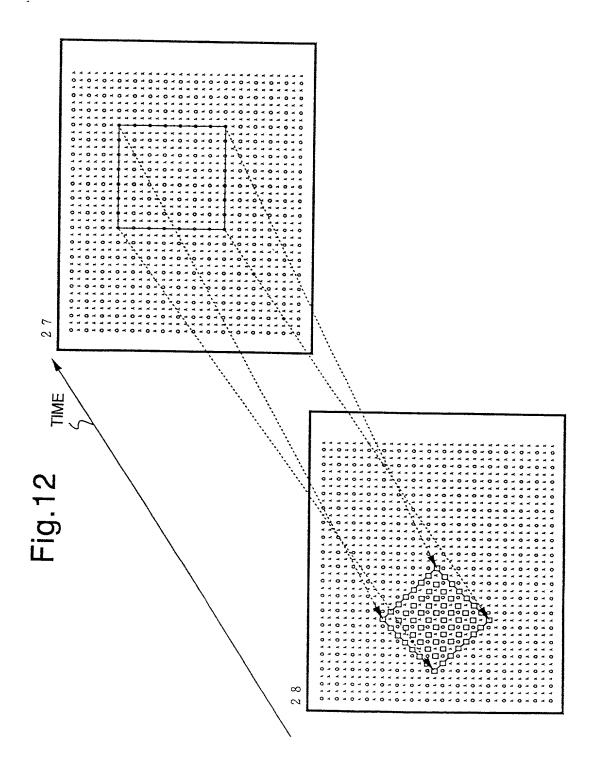


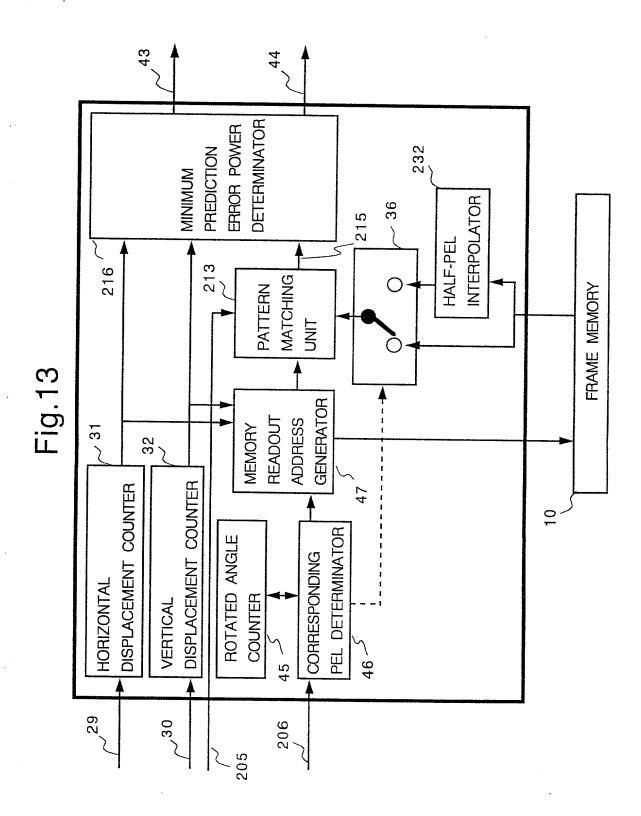
EFFECTIVE BLOCK(FORMING PICTURE OBJECT)



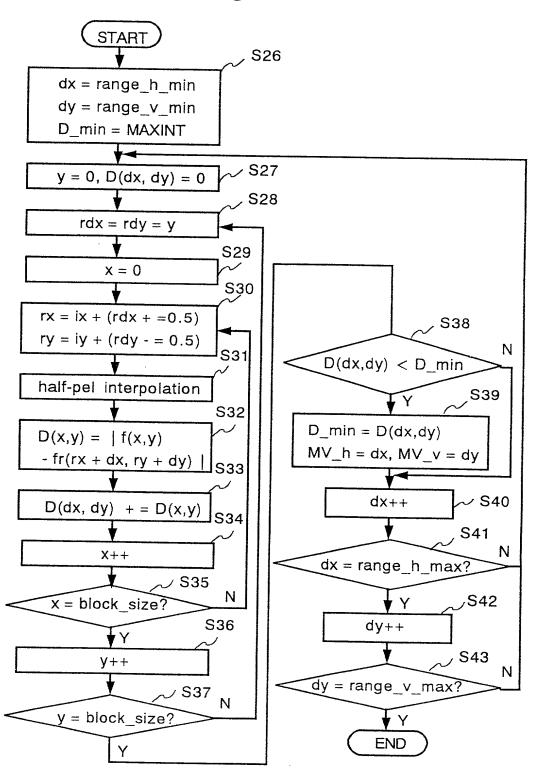
10/51

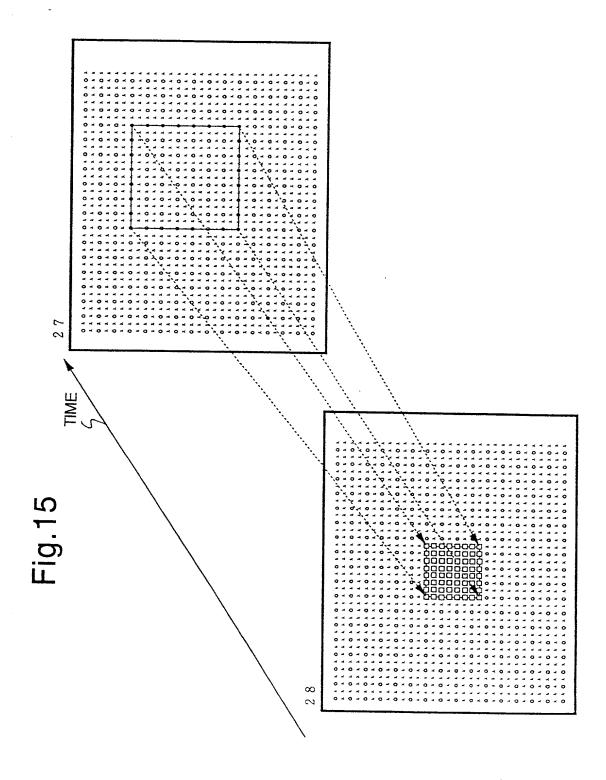
Q.

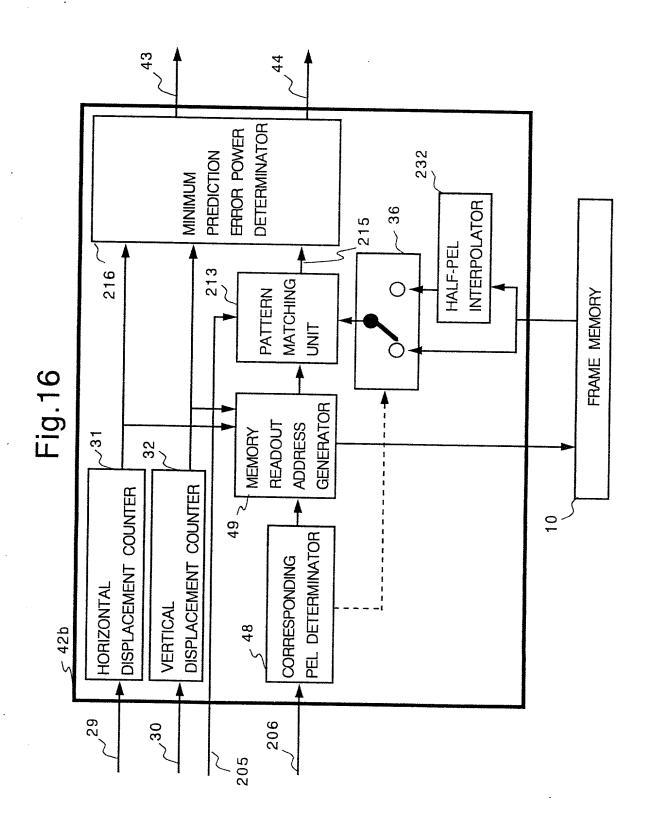




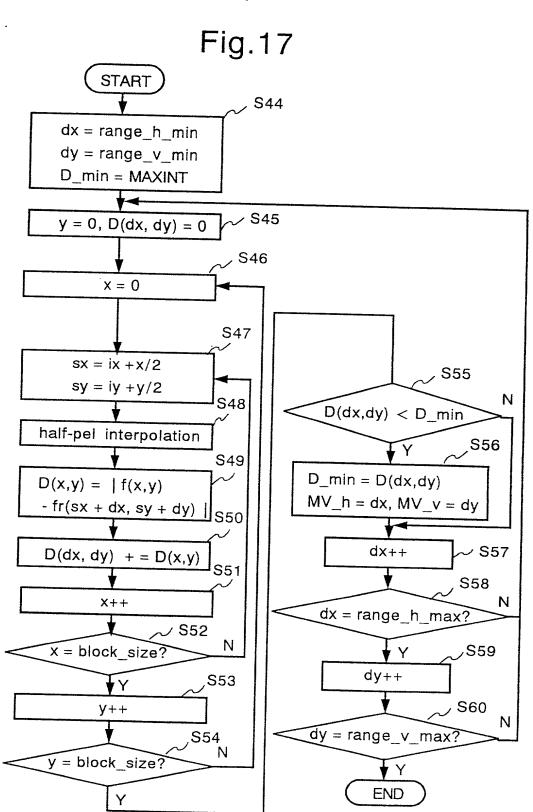
14/51 Fig.14

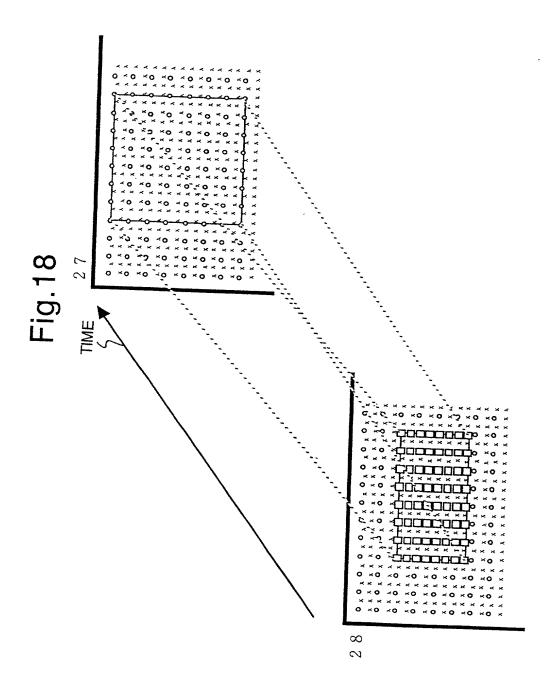






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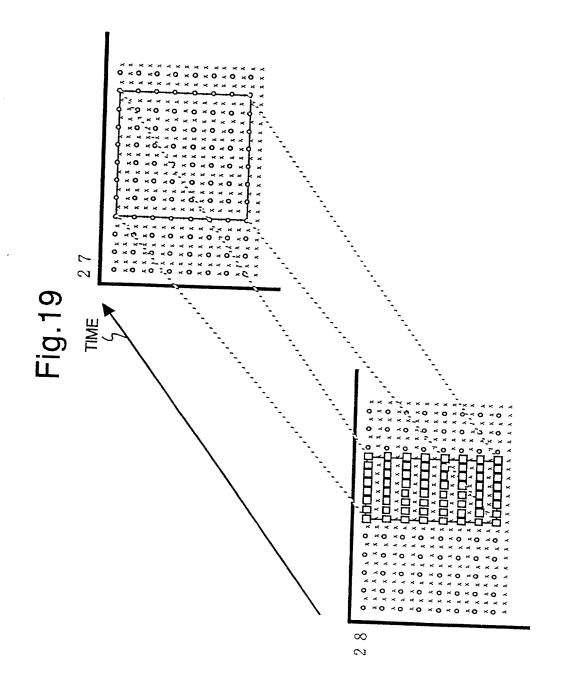
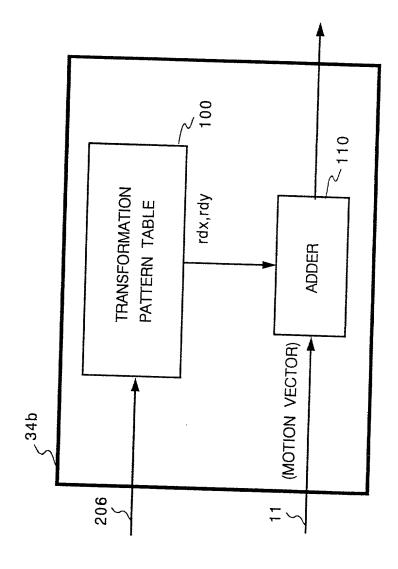
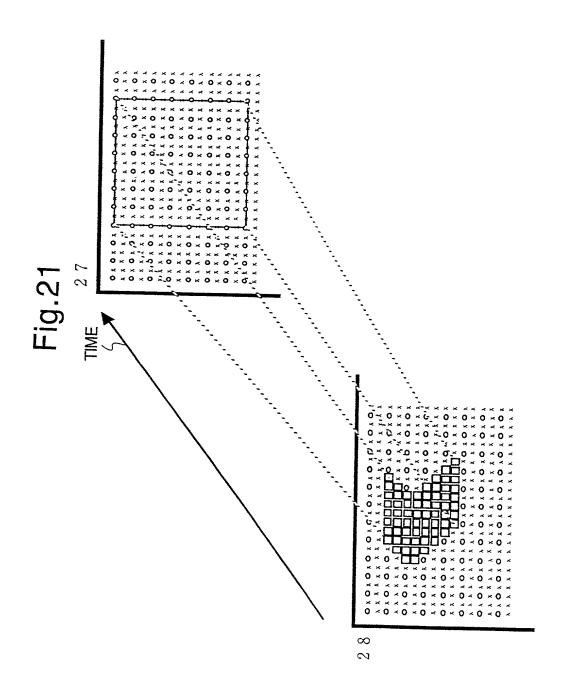
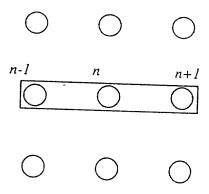


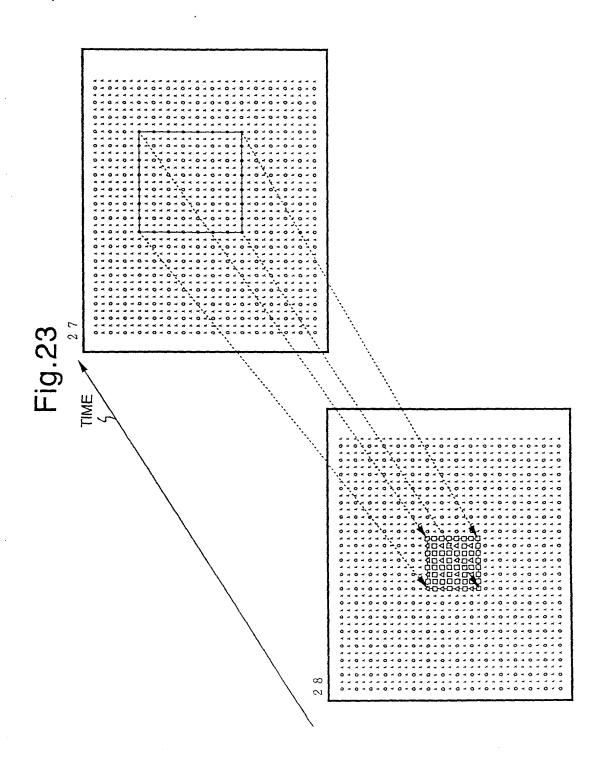
Fig.20

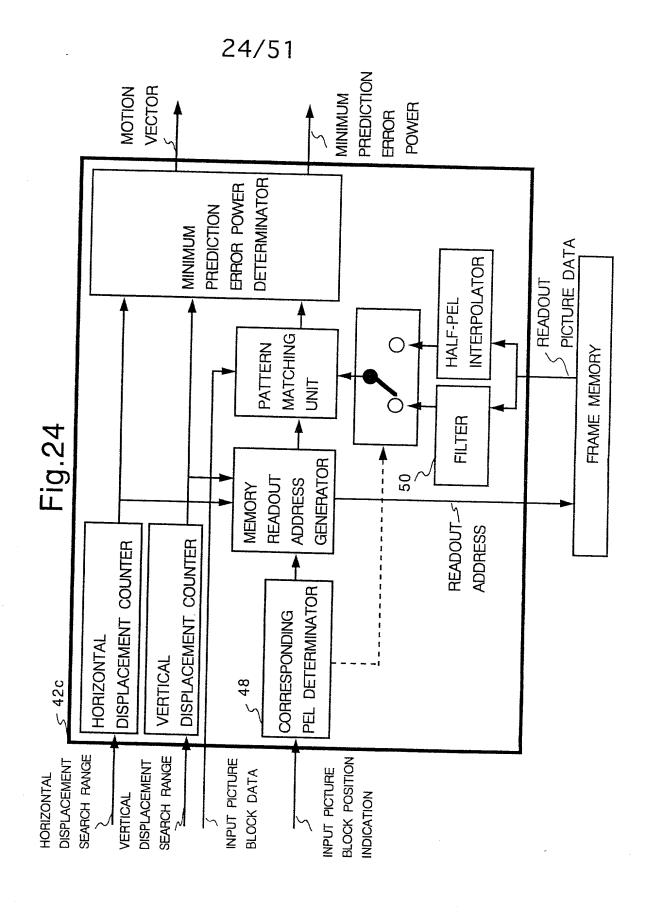


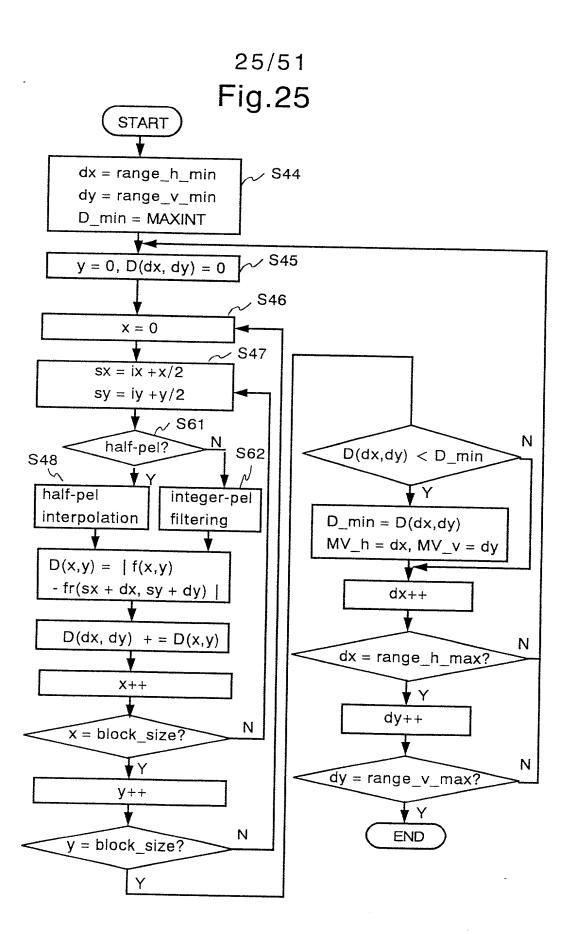


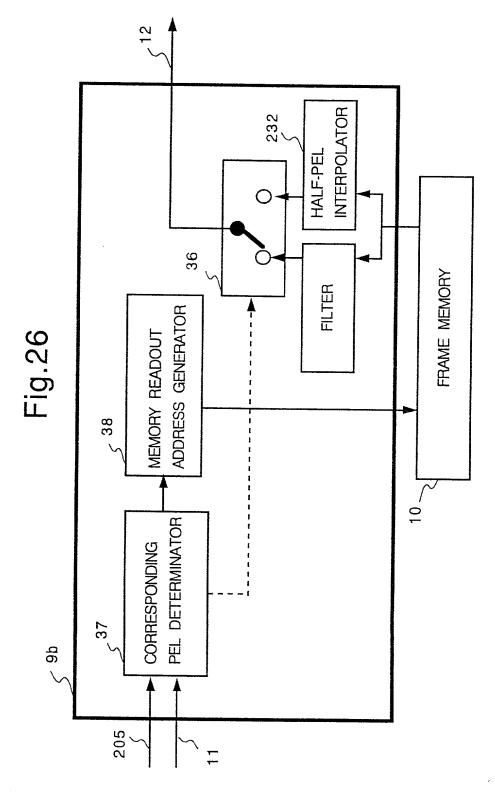
22/51 Fig.22

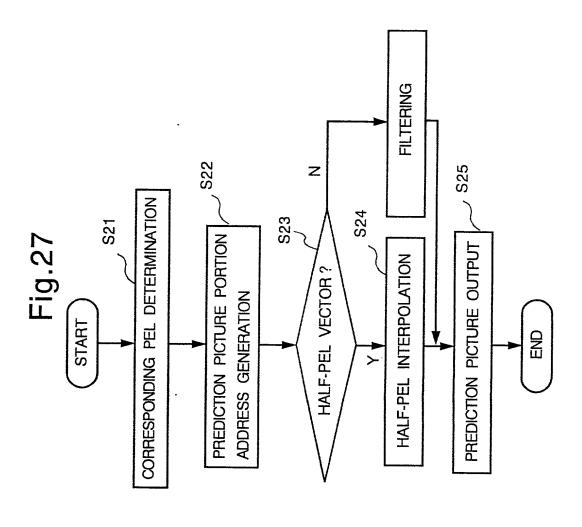




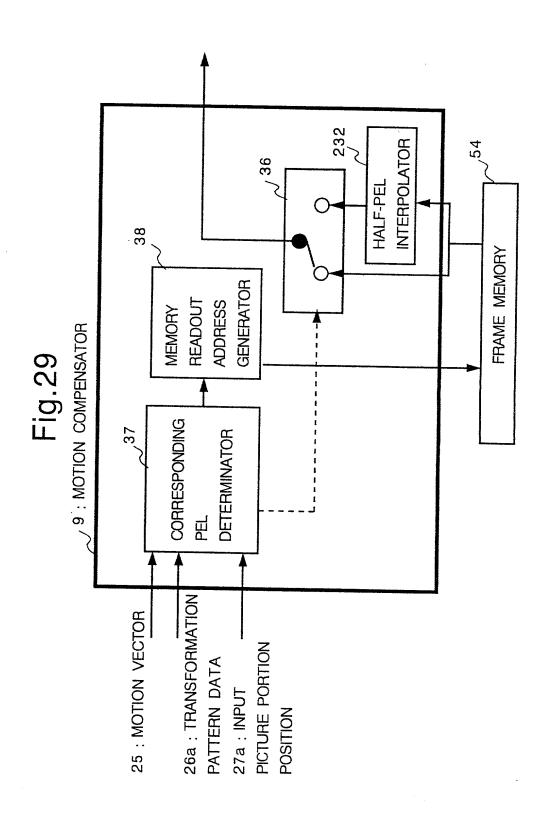




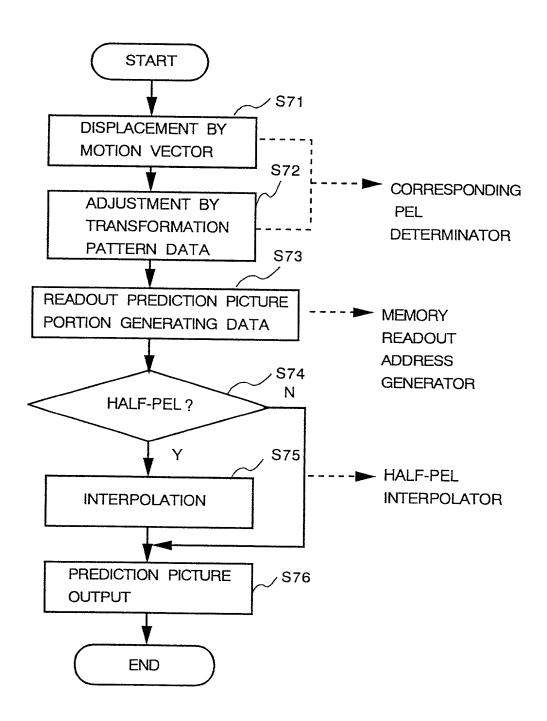


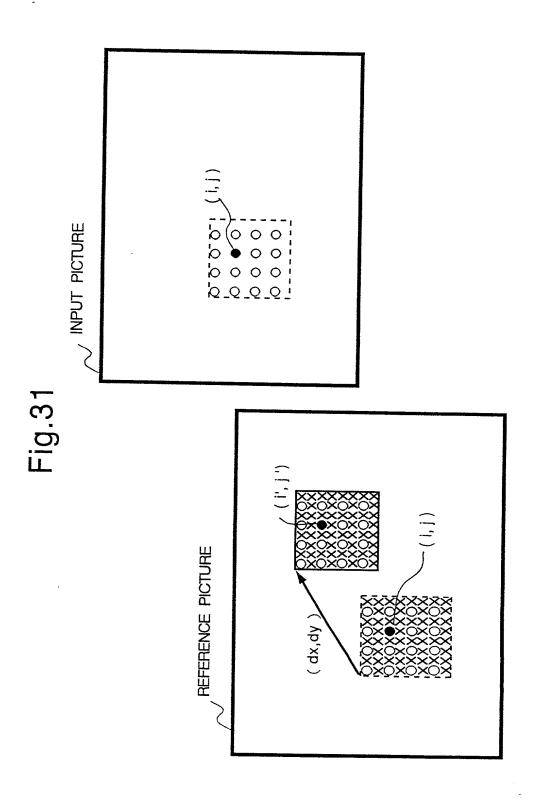


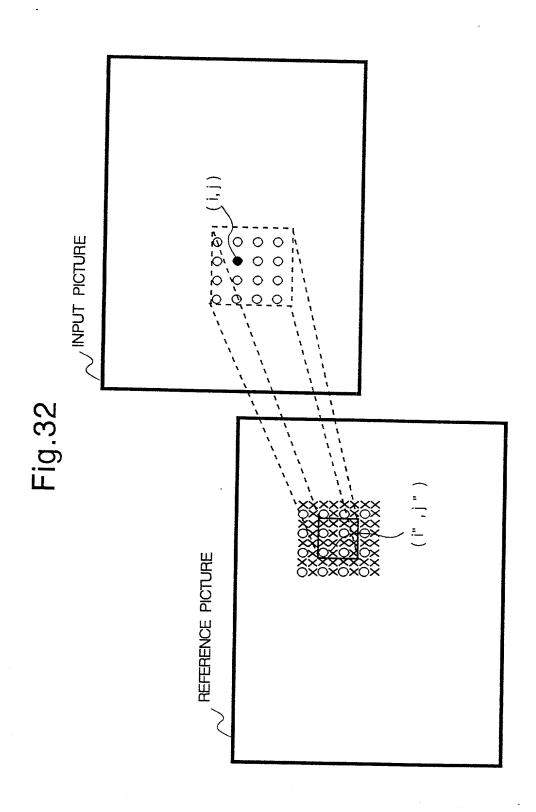
52 : QUANTIZED ORTHOGONAL TRANSFORMING COEFFICIENT 95/ DISPLAY CONTROLLER 55 DECODING 12 : PREDICTION 55 : DECODED ADDER PICTURE PICTURE 17 : QUANTIZING STEP PARAMETER INVERSE ORTHOGONAL PATTERN DATA 26a: TRANSFORMATION TRANSFORMER COMPENSATOR FRAME MEMORY 25 : MOTION VECTOR DEQUANTIZER Fig.28 MOTION PICTURE PORTION 27a: INPUT DECODER ENTROPY **POSITION** 19 : ENCODED BIT STREAM



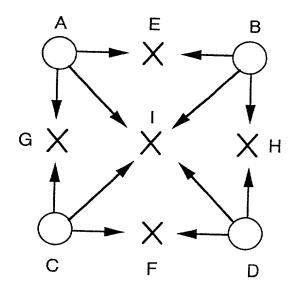
30/51 **Fig.30**







33/51 Fig.33



A,B,C,D: INTEGER PEL

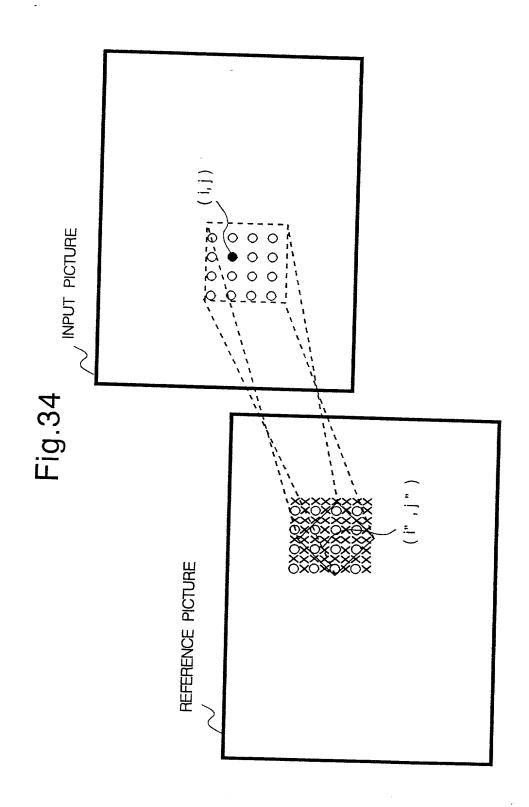
E=(A+B) / 2

F=(C+D)/2

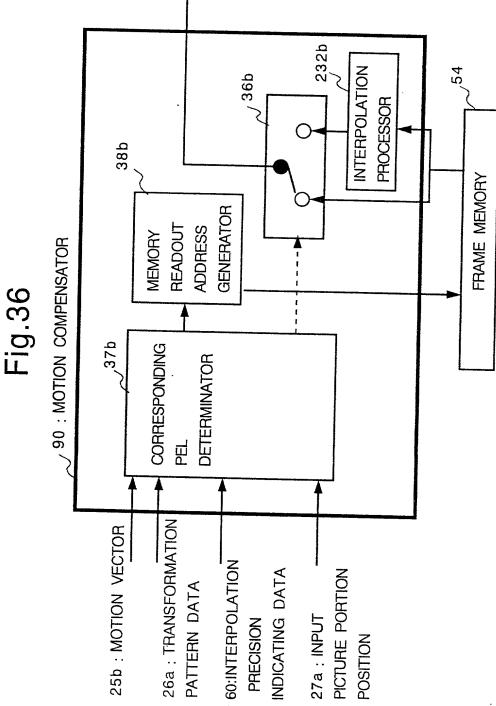
G=(A+C) / 2

H=(B+D)/2

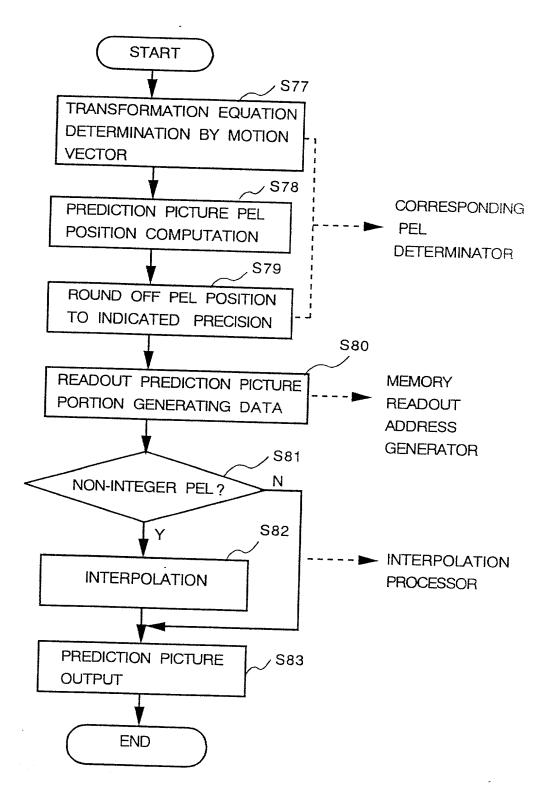
EI=(A+B+C+D) / 4



52 : QUANTIZED ORTHOGONAL TRANSFORMING COEFFICIENT ,56 DISPLAY CONTROLLER DECODING ADDER 12 : PREDICTION 55 : DECODED PICTURE PICTURE 17 : QUANTIZING STEP PARAMETER INVERSE ORTHOGONAL TRANSFORMER PATTERN DATA 54 26b : TRANSFORMATION Fig.35 25b : MOTION VECTOR ပ FRAME MEMORY COMPENSATOR 9 DEQUANTIZER MOTION 60:INTERPOLATION INDICATING DATA DECODER ENTROPY PICTURE PORTION **PRECISION** 27a: INPUT **POSITION** 19 : ENCODED BIT STREAM



37/51 **Fig.37**



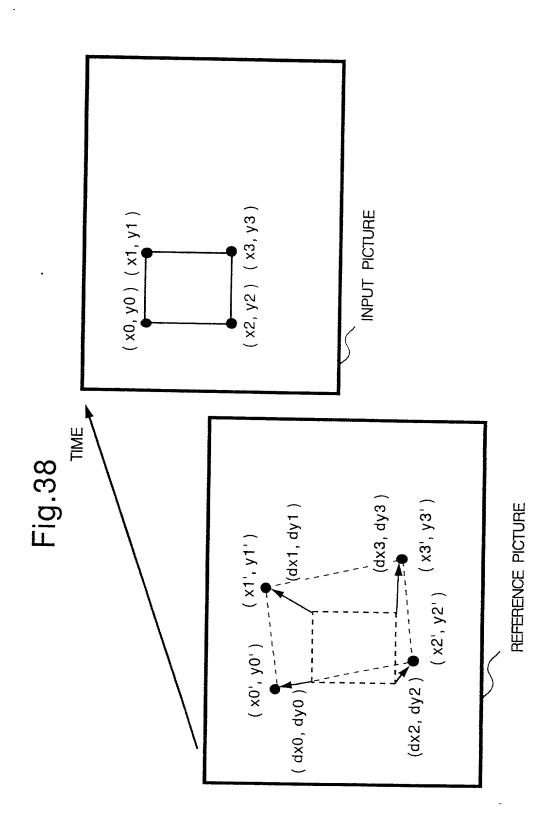
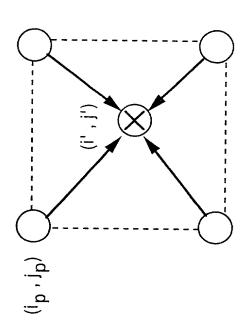


Fig.39



$$\hat{l}(i^{*},i^{*}) = W_{x1}W_{y1}l(i_{p},i_{p}) + W_{x2}W_{y1}l(i_{p+1},i_{p}) + W_{x2}W_{y1}l(i_{p+1},i_{p}+1) + W_{x2}W_{y2}l(i_{p+1},i_{p})$$

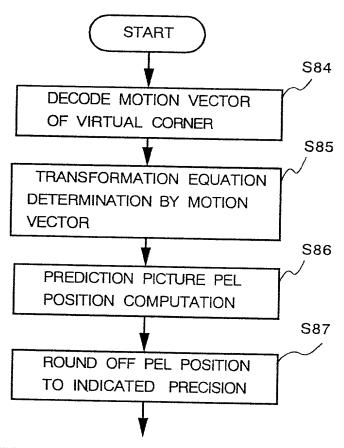
$$W_{x2} = i^{*} - i_{p}$$

$$W_{x1} = 1.0^{-}W_{x2}$$

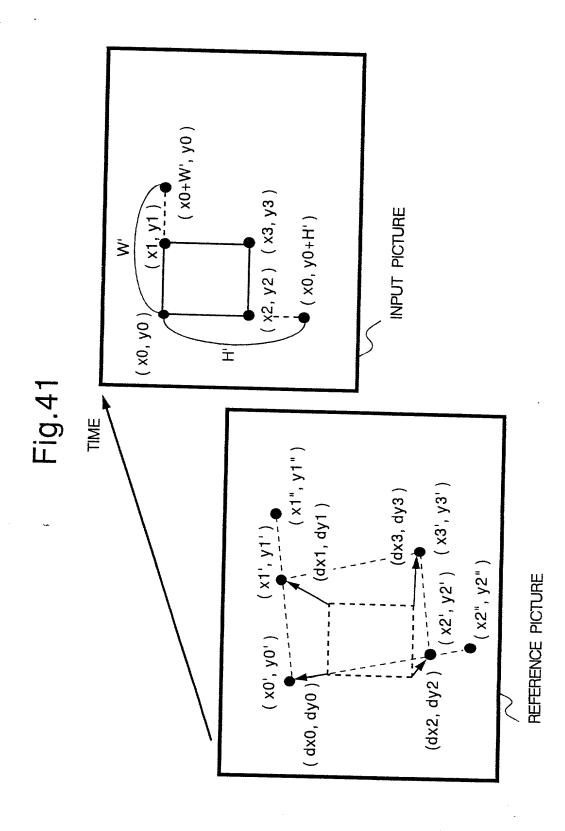
$$W_{y2} = j^{*} - j_{p}$$

$$W_{y1} = 1.0^{-}W_{y2}$$

40/51 **Fig.40**



TO PREDICTION PICTURE GENERATION



 $\frac{202}{f(x,y,t-1)}$

Fig.42

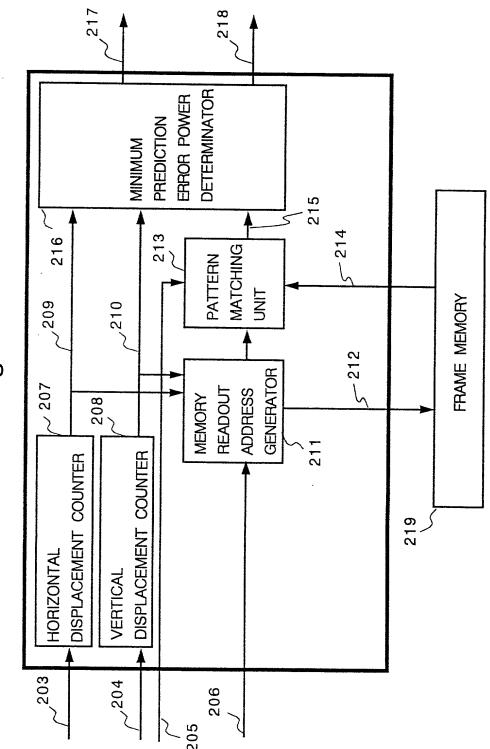
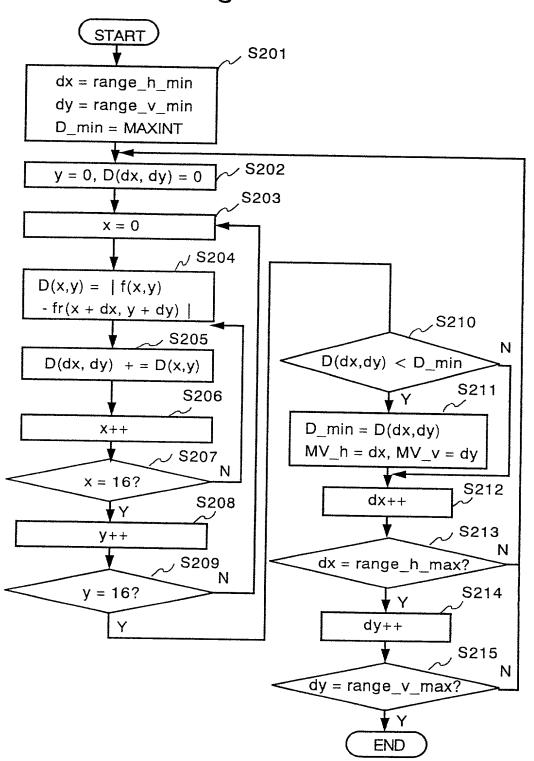
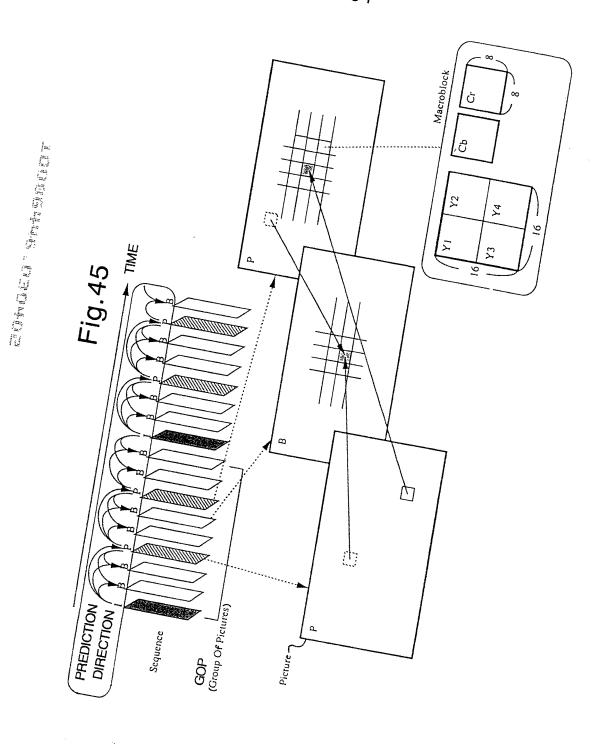


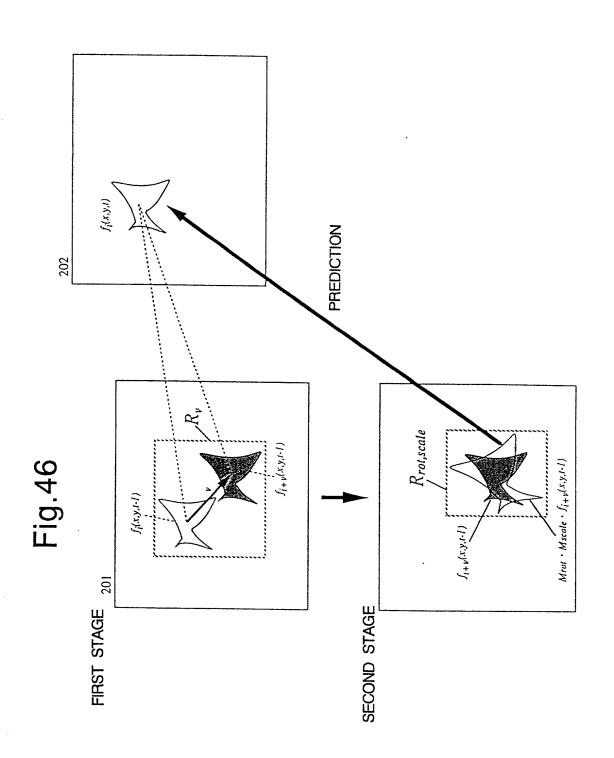
Fig.43

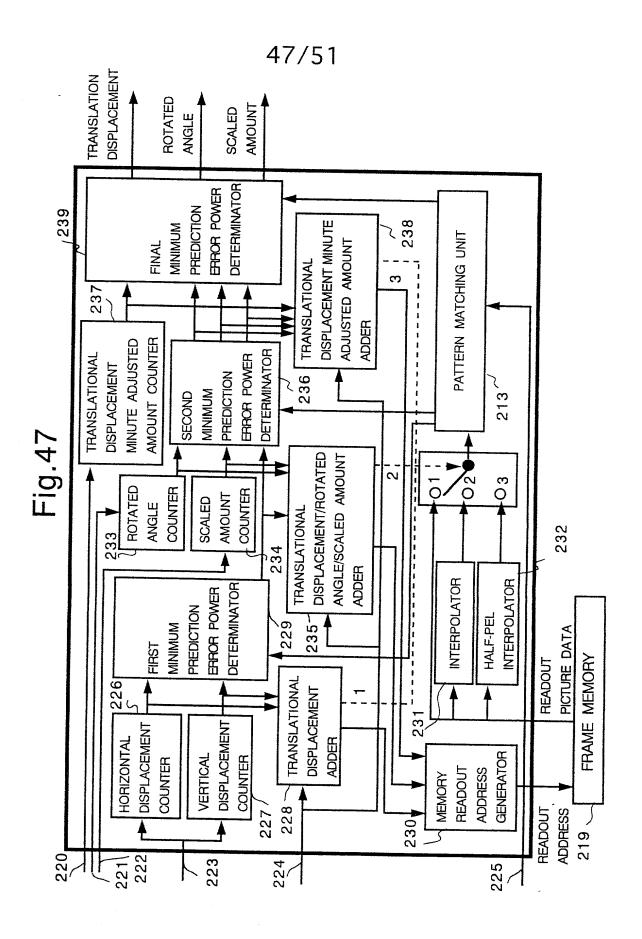
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Fig.44



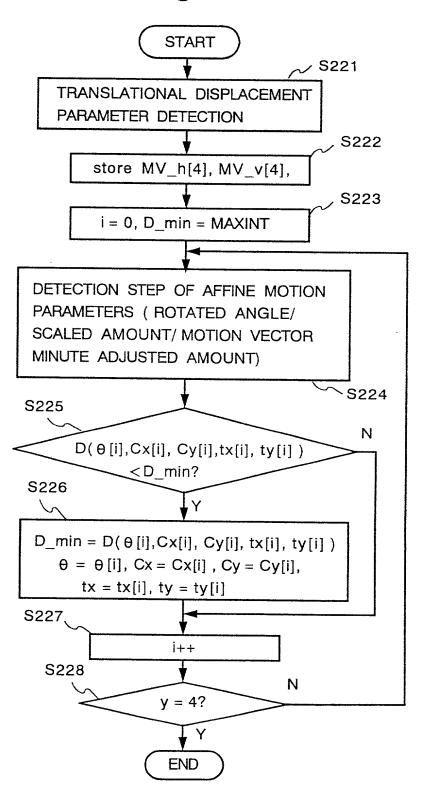




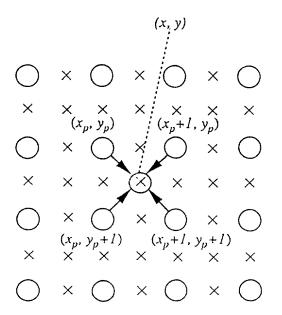


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Fig.48



50/51 **Fig.50**



51/51 **Fig.51**

